

Power Semiconductor Analyzer PST 5000



You know how much downtime due to power semiconductor failure can cost. \$35,000 an hour is probably conservative. That is why testing and analysis are vital. And now, testing power semiconductors up to 5,000 volts is easier than ever, with the portable, battery-operated PST 5000 from Consolidated Electronics, Inc.

The PST 5000 is extremely operator friendly. It tells you in plain English whether your semiconductor is good, bad or marginal. It's lightweight and self-contained, perfect for field use. And it's worth its weight in gold, because of the money it can save you.

Test SCR's, diodes, power transistors, MOSFET's, even MOV's, quickly, easily, and in circuit most of the time.

The PST 5000 can save your company a bundle. Call for more information about this revolutionary new testing device.



PST 5000™

TECHNICAL SPECIFICATIONS

U.S.

METRIC

Weight

Dimensions (W,H,D) with handle folded

Power requirements for charging

Temperature, non-operating

Temperature, operating

4.1 lbs

8.7" x 3.7" x 9"

120 VAC, 60 Hz

-59 to 150°F

14 to 131°F

1.7 kg

22.1cm x 9.4cm x 22.9cm

220 VAC, 50 Hz

-51 to 71°C

-10 to 55°C

Power Supply

Internal NiCad rechargeable battery pack

PST operating time (fully charged)

12/24 VDC

4-8 hours

Primary Test Voltages (open circuit)

Low power and intermediate power

High power

+/- 10 VDC max.

+/- 24 VDC max.

Primary Test Currents (short circuit)

Low power

Intermediate power

High power

+/- 0.05 A max.

+/- 1.00 A max.

+/- 2.00 A max.

High Voltage Tests

Maximum voltage

Maximum current

5,000 VDC

2.30 mA

Voltmeter-Peak Voltage Measurement

Input impedance

Maximum input voltage (peak)

Response time to rated accuracy

DC accuracy

0-30 V range

30-1000 V range

AC peak accuracy (50-120Hz)

0-30 VAC range

30-1000 VAC range

20 Megohms

1,000 VAC or DC

2 seconds

Reading +/- 1 digit

+/- 2%

Reading +/- 1 digit

+/- 2%

FEATURES

- Checks the breakdown voltage of any semiconductor
- Identifies marginal or intermittently operational components
- Test leads can be attached in any order
- 32-character LCD display
- Identifies component and its leads and displays results in English on LCD display (e.g. Component is an "SCR" and the gate is plugged into the "B" connection)



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